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diffused light which we observe arises from atmospheric dispersion or from the direct light of stars which are too faint to be separately discernible, it is not wholly traceable to these causes. The light which is visible before a bright star enters the field of the telescope, however, is probably due almost entirely to the terrestrial atmosphere.

### PREDICTIONS FOR THE TRANSIT OF MERCURY, NOVEMBER 10, 1894.

BY ROGER SPRAGUE.

TIMES OF INGRESS AND EGRESS (EXTERNAL CONTACT) FOR  
UNIVERSITY PARK, COLORADO SPRINGS, PUEBLO,  
AND TRINIDAD, COL.

UNIVERSITY PK.		COL. SPRINGS.		PUEBLO.		TRINIDAD.	
Lat. $39^{\circ} 40' 36''$		Lat. $38^{\circ} 50'$		Lat. $38^{\circ} 17'$		Lat. $37^{\circ} 11'$	
Long. $104^{\circ} 56' 54''$		Long. $104^{\circ} 49.5$		Long. $104^{\circ} 36'$		Long. $104^{\circ} 30'$	
Log. $\rho$ 9.999402		Log. $\rho$ 9.999424		Log. $\rho$ 9.999438		Log. $\rho$ 9.999465	
INGRESS.	EGRESS.	INGRESS.	EGRESS.	INGRESS.	EGRESS.	INGRESS.	EGRESS.
A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.
M. S. T.	M. S. T.	M. S. T.	M. S. T.	M. S. T.	M. S. T.	M. S. T.	M. S. T.
H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.
8 55 59.2	2 12 16.94	8 55 58.91	2 12 16.46	8 55 58.96	2 12 16.07	8 55 59.18	2 12 15.45

UNIVERSITY PARK, Arapahoe Co., Colorado, Sept. 17, 1894.

### PLANETARY PHENOMENA FOR JANUARY, FEB- RUARY AND MARCH, 1895.

BY PROFESSOR MALCOLM McNEILL.

The following brief notes on the Sun, Moon and planets, have been prepared at the request of the Council, and are designed for the aid of those interested in astronomy and who do not have an almanac. In the descriptive paragraphs Pacific Standard time is given, unless the contrary is indicated.

JANUARY, 1895.

The Earth is in perihelion on January 2 at 4 P.M.

*Mercury* at the beginning of the month is a morning star too